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NOTICE OF ALLOWANCE AND FEE(S) DUE

26272 7590 06/25/2009 COWAN LIEBOWITZ & LATMAN P.C. JOHN I TORRENTE

COWAN LIEBOWITZ & LATMAN F.C. JOHN J TORRENTE 1133 AVE OF THE AMERICAS NEW YORK, NY 10036

EXAMINER						
HERNANDEZ, NELSON D						
ART UNIT	PAPER NUMBER					
2622 DATE MAIL ED: 06/25/26	200					

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/693,901	10/28/2003	Yasuhiko Shiomi	B588-657 (25815.673)	2644
TITLE OF INVENTION:	IMAGING APPARATUS	HAVING A DETECTOR FOR DETECTING SPATIAL	FREQUENCY CHARACT	ERISTICS

CONTROL METHOD AN A COMPUTER PROGRAM PRODUCT HAVING COMPUTER PROGRAM CODE THEREFOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/25/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This f appropriate. All further c indicated unless corrected maintenance fee notification	form should be used for orrespondence including to below or directed oth ons.	or tran ig the l ierwise	smitting the ISSU Patent, advance or in Block 1, by (a					nould be completed where correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDE			any change of address)	Fee	e(s) Transmittal. The sers. Each additiona	is certif I paper	icate cannot be used for	r domestic mailings of the or any other accompanying nt or formal drawing, must
COWAN LIEBO JOHN J TORREM 1133 AVE OF TH	HE AMERICAS		P.C.	I b Sta ado tras	aroby cortify that th	ie Good	of Mailing or Transi s) Transmittal is being ficient postage for firs ISSUE FEE address I) 273-2885, on the di	nission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
NEW YORK, NY	10036							(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVENTOR	2	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/693,901	10/28/2003			Yasuhiko Shiomi		B58	3-657 (25815.673)	2644
TITLE OF INVENTION CONTROL METHOD AN	: IMAGING APPAR NA COMPUTER PRO	ATUS GRAM	HAVING A DE I PRODUCT HAV	TECTOR FOR DETECTING COMPUTER PROC	TING SPATIAL FRAM CODE THE	FREQU REFOR	JENCY CHARACTE	RISTICS
APPLN, TYPE	SMALL ENTITY	IS:	SUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO		\$1510	\$300	\$0		\$1810	09/25/2009
EXAMI	NER		ART UNIT	CLASS-SUBCLASS	1			
HERNANDEZ,	NELSON D		2622	348-231300	_			
1. Change of corresponder CFR 1.363). Change of correspon Address form PTOVSB/ ————————————————————————————————————	ndence address (or Cha 122) attached. atton (or "Fee Address" or more recent) attach TD RESIDENCE DATA ss an assignee is identi in 37 CFR 3.11. Comp	nge of ' 'Indica ed. Use	Correspondence ation form of a Customer E PRINTED ON T		o 3 registered pater wely, le firm (having as a agent) and the nam orneys or agents. If printed. pe) patent. If an assign assignment.	memb es of u no nam	er a 2	ocument has been filed for
Please check the appropria	ue assignee category or	catego	ries (will not be pr	inted on the patent):	Individual Co	orporati	on or other private gro	up entity Government
4a. The following fee(s) are submitted: Itsue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies				o. Payment of Fee(s): (Ple A check is enclosed. Payment by credit ca The Director is hereb overpayment, to Dep	rd. Form PTO-2038	is atta	ched. required fee(s), any de	
5. Change in Entity Statu a. Applicant claims	SMALL ENTITY statu	s. See	37 CFR I.27.	b. Applicant is no lor				
NOTE: The Issue Fee and interest as shown by the re	Publication Fee (if requeereds of the United Sta	rired) v tes Pate	will not be accepted ent and Trademark	from anyone other than Office.	the applicant; a regi	stered :	attorney or agent; or th	e assignee or other party in
Authorized Signature					Date			
Typed or printed name					Registration N	lo		
This collection of informat an application. Confidenti- submitting the completed this form and/or suggestio Box 1450, Alexandria, Vir Alexandria, Virginia 2231.	tion is required by 37 C ality is governed by 35 application form to the ns for reducing this bur rginia 22313-1450. DC 3-1450.	FR 1.3 U.S.C. USPT den, st NOT	11. The information 122 and 37 CFR O. Time will vary nould be sent to the SEND FEES OR O	on is required to obtain or 1.14. This collection is es depending upon the indi e Chief Information Offic COMPLETED FORMS T	retain a benefit by t stimated to take 12 widual case. Any co- er, U.S. Patent and O THIS ADDRESS	he publ minutes omment Traden S. SENI	ic which is to file (and to complete, includin s on the amount of tir nark Office, U.S. Deps D TO: Commissioner i	by the USPTO to process) g gathering, preparing, and ne you require to complete utment of Commerce, P.O. for Patents, P.O. Box 1450,

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10/693,901 10/28/2003		Yasuhiko Shiomi	B588-657 (25815.673) 2644	
26272	590 06/25/2009	EXAMINER		
COWAN LIEBO	OWITZ & LATMAN	HERNANDEZ, NELSON D		
JOHN J TORREN		ART UNIT	PAPER NUMBER	
1133 AVE OF TH	IE AMERICAS	2622		

NEW YORK, NY 10036

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 892 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 892 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Application No. Applicant(s) 10/693 901 SHIOMI, YASUHIKO Notice of Allowability Examiner Art Unit Nelson D. Hernández Hernández 2622 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to amendments filed on 4/23/2009. The allowed claim(s) is/are 24, 26, 30, 31 and 35-42 (Renumbered as 1-12). 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) 🔯 All b) ☐ Some* c) ☐ None of the: 1. Certified copies of the priority documents have been received. 2. X Certified copies of the priority documents have been received in Application No. 09/212,940. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material Other .

/NHAN T TRAN/ Primary Examiner, Art Unit 2622 Application/Control Number: 10/693,901

Art Unit: 2622

DETAILED ACTION

Response to Amendment

The Examiner acknowledges the amended claims filed on April 23, 2009.
 Claims 24, 26, 30, 31 and 37-39 have been amended. Claims 1-23, 25, 27-29 and 32-34 have been cancelled. Claims 40-42 have been newly added.

Allowable Subject Matter

- Claims 24, 26, 30, 31 and 35-42 (Renumbered as 1-12) are allowed.
- The following is a statement of reasons for the indication of allowable subject matter:
- 4. Regarding claim 24 (Renumbered as 1), the main reason for indication of allowable subject matter is because the prior art fails to teach or reasonably suggest, including all the elements of the present claim, that said shift unit changes a shift amount of the optical unit in correspondence with a result of comparison between the spatial frequency characteristics of the plurality of color components of the original image detected by said detector.
- 5. Regarding claim 30 (Renumbered as 7), the main reason for indication of allowable subject matter is because the prior art fails to teach or reasonably suggest, including all the elements of the present claim, that said shifting step changes a shift amount of the optical unit in correspondence with a result of comparison between the

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spatial frequency characteristics of the plurality of color components of the original image detected in said detecting step.

6. Regarding claim 31 (Renumbered as 10), the main reason for indication of allowable subject matter is because the prior art fails to teach or reasonably suggest, including all the elements of the present claim, that said shifting step changes a shift amount of the optical unit in correspondence with a result of comparison between the spatial frequency characteristics of the plurality of color components of the original image detected in said detecting step.

Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nelson D. Hernández Hernández whose telephone number is (571)272-7311. The examiner can normally be reached on 9:00 A.M. to 5:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lin Ye can be reached on (571) 272-7372. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2622

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

NDHH June 20, 2009

/NHAN T TRAN/ Primary Examiner, Art Unit 2622